

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A refrigerating cycle device comprising:
 - a refrigerating cycle which is formed by sequentially connecting a compressor which compresses a refrigerant which contains carbon dioxide,
 - a refrigerant-water heat exchanger which performs heat exchange between water which circulates in a water cycle and the refrigerant,
 - a first decompressor which is capable of decompressing the compressed refrigerant,
 - a first heat exchanger which performs heat exchange between the refrigerant which goes through said first decompressor and first air,
 - an internal heat exchanger which performs heat exchange between the refrigerant having passed through said first heat exchanger and the refrigerant before being sucked by said compressor,
 - a second decompressor which decompresses the refrigerant having passed through the internal heat exchanger, and
 - a second heat exchanger, which performs heat exchange between the refrigerant which is decompressed by the second decompressor and second air; and
 - ~~an said internal heat exchanger; and a hot water cycle, wherein~~
 - the water cycle which is formed by sequentially connecting a power engine which heats the water,
 - the refrigerant-water heat exchanger,

a heater core which is arranged downstream of the second heat exchanger with respect to flow of said second air, and

a radiator, wherein

air conditioning capacity is adjusted by adjusting a degree of opening of the second decompressor at the time of heating and dehumidifying.

~~—— said hot water cycle includes a heater core which sucks hot water at the downstream side of the refrigerant water heat exchanger,~~

~~—— said compressor compresses a refrigerant which is carbon dioxide,~~

~~—— said refrigerant water heat exchanger performs heat exchange between said compressed refrigerant and the hot water in said hot water cycle,~~

~~—— said first decompressor decompresses or does not decompress said compressed refrigerant,~~

~~—— said first heat exchanger performs heat exchange of said refrigerant which is decompressed by said first decompressor,~~

~~—— said internal heat exchanger performs heat exchange between said refrigerant which is subjected to heat exchange by said first heat exchanger and said refrigerant sucked by said compressor,~~

~~—— said second decompressor decompresses said refrigerant which is subjected to heat exchange by said internal heat exchanger,~~

~~—— said second heat exchanger performs heat exchange of said refrigerant which is decompressed by the second decompressor, and~~

~~—— a refrigerant pressure of said first heat exchanger is changed by operating said first decompressor and/or said second decompressor so as to adjust a refrigerant holding quantity of said first heat exchanger whereby an imbalance of a refrigerant quantity between time for space cooling and time for space heating/dehumidifying is alleviated.~~

2. (Currently Amended) A refrigerating cycle device according to claim 1, wherein during the adjustment of the degree of opening of the second decompressor at the time of heating and dehumidifying, a discharge temperature of the compressor is detected, the detected discharge temperature and a set discharge temperature are compared, and the degree of opening of the second decompressor is increased when the detected discharge temperature is equal to or more than the set discharge temperature and is decreased when the detected discharge temperature is less than the set discharge temperature. ~~said refrigerating cycle device comprises compressor discharge temperature detection means which detects a discharge temperature of said compressor, compressor suction temperature detection means which detects a suction temperature of said compressor or compressor discharge pressure detection means which detects a discharge pressure of said compressor, and~~

~~the adjustment of the refrigerant holding quantity of said first heat exchanger by changing refrigerant pressure of said first heat exchanger means to control said second decompressor using a value detected by said compressor discharge temperature detection means, said compressor suction temperature detection means or said compressor discharge pressure detection means.~~

3.-5. (Cancelled).

6. (Original) A refrigerating cycle device according to claim 1, wherein said refrigerating cycle device comprises a third bypass circuit which connects an inlet and an outlet of the first heat exchanger by way of a third open/close valve.

7. (Original) A refrigerating cycle device according to claim 1, wherein said refrigerating cycle device comprises a fourth open/close valve at an inlet of said first heat exchanger.

8. (Original) A refrigerating cycle device according to claim 1, wherein said refrigerating cycle device comprises:

a fifth open/close valve which is disposed between an outlet of said refrigerant-water heat exchanger and said first decompressor;

a first three-way valve which is disposed between an outlet of said first heat exchanger and an inlet of said internal heat exchanger;

a fourth bypass circuit which is connected by having one end thereof disposed between an outlet of said refrigerant-water heat exchanger and an inlet of said fifth open/close valve and the other end formed of said first three-way valve;

a second three-way valve which is disposed between an outlet of said internal heat exchanger and an inlet of said second decompressor;

a fifth bypass circuit which is connected by having one end thereof formed of said second three-way valve and the other end thereof disposed between an outlet of said fifth open/close valve and an inlet of said first decompressor;

a sixth bypass circuit which is connected by having one end thereof disposed between an outlet of said first heat exchanger and said first three-way valve and the other end thereof disposed between said second three-way valve and said second decompressor and by way of a sixth open/close valve; and

refrigerant circulation mode changeover means which selectively changes over a steady mode in which the refrigerant which is flown out from said refrigerant-water heat exchanger is circulated by way of said fifth open/close valve and a start mode in which the refrigerant is circulated in said fourth bypass circuit and said fifth bypass circuit.

9.-17. (Cancelled).

18. (New) A refrigerating cycle device according to claim 1, wherein during the adjustment of the degree of opening of the second decompressor at the time of heating and dehumidifying, a refrigerant temperature T_{eva} of the second heat exchanger is detected, a set refrigerant temperature T_{xeval} and the detected refrigerant temperature T_{eva} are compared, and the degree of opening of the second decompressor is decreased when the detected refrigerant temperature T_{eva} is equal to or more than the set refrigerant temperature T_{xeval} and is increased when the detected refrigerant temperature T_{eva} is less than the set refrigerant temperature T_{xeval} .

19. (New) A refrigerating cycle device according to claim 1, wherein the air conditioning capacity is further adjusted by adjusting a degree of opening of the first decompressor at the time of heating and dehumidifying.

20. (New) A refrigerating cycle device according to claim 19, wherein during the adjustment of the degree of opening of the first decompressor at the time of heating and dehumidifying, a refrigerant temperature T_m of the first heat exchanger is detected, a set refrigerant temperature T_{xm} and the detected refrigerant temperature T_m are compared, and the degree of opening of the first decompressor is decreased when the detected refrigerant temperature T_m is equal to or more than the set refrigerant temperature T_{xm} and is increased when the detected refrigerant temperature T_m is less than the set refrigerant temperature T_{xm} ,

a refrigerant temperature T_{eva} of the second heat exchanger is detected, a set refrigerant temperature T_{xeva} and the detected refrigerant temperature T_{eva} are compared, and the degree of opening of the first decompressor is decreased when the detected refrigerant temperature T_{eva} is equal to or more than the set refrigerant temperature T_{xeva} and is increased when the detected refrigerant temperature T_{eva} is less than the set refrigerant temperature T_{xeva} .

21. (New) A refrigerating cycle device according to claim 1, wherein the dehumidifying device comprises blow-off air temperature detection means which detects a temperature of blow-off air blown off by way of said heater core and compressor operating frequency control means which controls operating frequency of said compressor, and

said compressor operating frequency control means controls the operating frequency of said compressor in response to said detected air temperature.

22. (New) A refrigerating cycle device according to claim 1, wherein the dehumidifying device comprises discharged refrigerant temperature detection means which detects a discharged refrigerant temperature of said compressor and

a bypass circuit which bypasses between an outlet of said second heat exchanger and an inlet of said compressor by way of an open/close valve, and

said open/close valve has opening and closing thereof controlled in response to said detected discharged refrigerant temperature.

23. (New) A refrigerating cycle device according to claim 1, which is used as an air conditioner for a vehicle.